

Daimler Chrysler Inc.

Patent Claims

1. Locking device for a cover of a glove compartment of motor vehicles, which is positioned so as to swivel on an associated frame and is held in the closed condition by means of two locking sections of the locking bar engaging behind an associated locking contour on the frame, the locking bars being synchronously displaceable from their locked position to the release position for opening the cover by means of an actuation element, characterized in that the actuation element (6) is positioned on the frame side and for the purpose of opening the cover (2) interacts with its locking section (4.1) on the associated locking bar (4) displacing it in the opening direction, the other locking bar (5) also being moved into its release position.
2. Glove compartment according to claim 1, characterized in that the locking bars (4, 5) are spring-loaded in the direction of their detent advancement.
3. Glove compartment according to claim 1, characterized in that both locking bars (4, 5) of the cover (2) are constructed as sliding locks.
4. Glove compartment according to claim 1, characterized in that the locking bars (4, 5) are mechanically coupled to each other by means of a gear.
5. Glove compartment according to claim 1, characterized in that the locking sections (4.1, 5.1) of both locking bars (4, 5) are disposed on opposite narrow sides of the cover and the direction of each detent advancement of the two locking bars (5, 5) occurs in opposite directions.
6. Glove compartment according to claim 1, characterized in that the locking bars (4, 5) comprise toothed rack sections (4.2, 5.2) in which a gear wheel (8) meshes reversing the movement direction.
7. Glove compartment according to claim 1, characterized in that the actuation element (6) comprises a push button (6.1) and a disengaging element (6.2) moving transversely to its advancement direction, by means of which the locking section (4.1) of the associated locking bar (4) can be displaced into its release position.
8. Glove compartment according to claim 1, characterized in that the cover (2) is spring-loaded in the direction of opening.
9. Glove compartment according to claim 1, characterized in that the locking bars (4, 5) are held in the open positions by a locking means (detent pawl 9), the locking means (detent pawl 9) being automatically brought to the release position during

the closing movement.

10. Glove compartment according to claim 1, characterized in that the locking sections (4.1, 5.1) of the locking bars exit from pass-through openings on the narrow sides of the cover and engage in locking recesses (3.1, 3.2), which are positioned in the wall sections of the frame opposite the pass-through openings.